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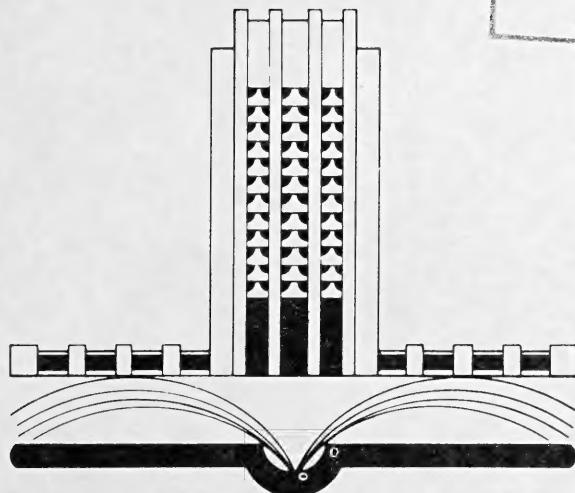
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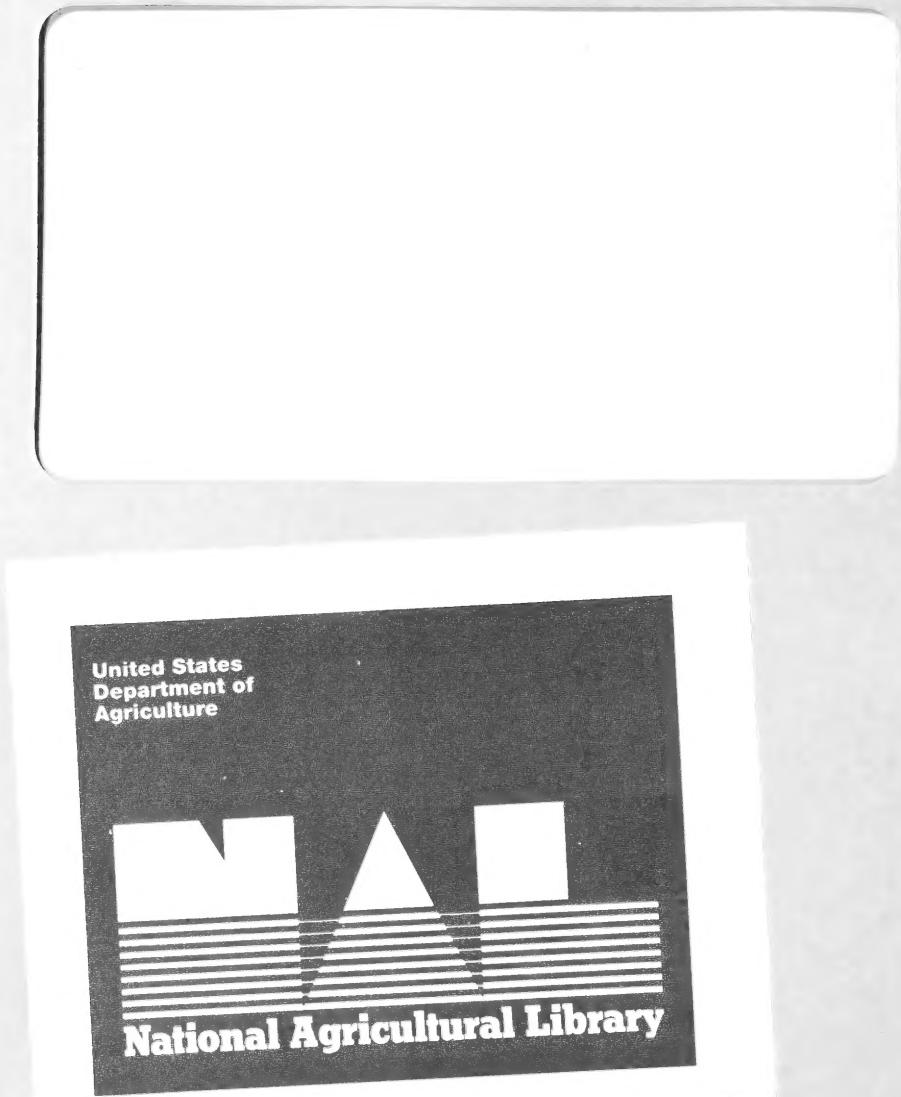
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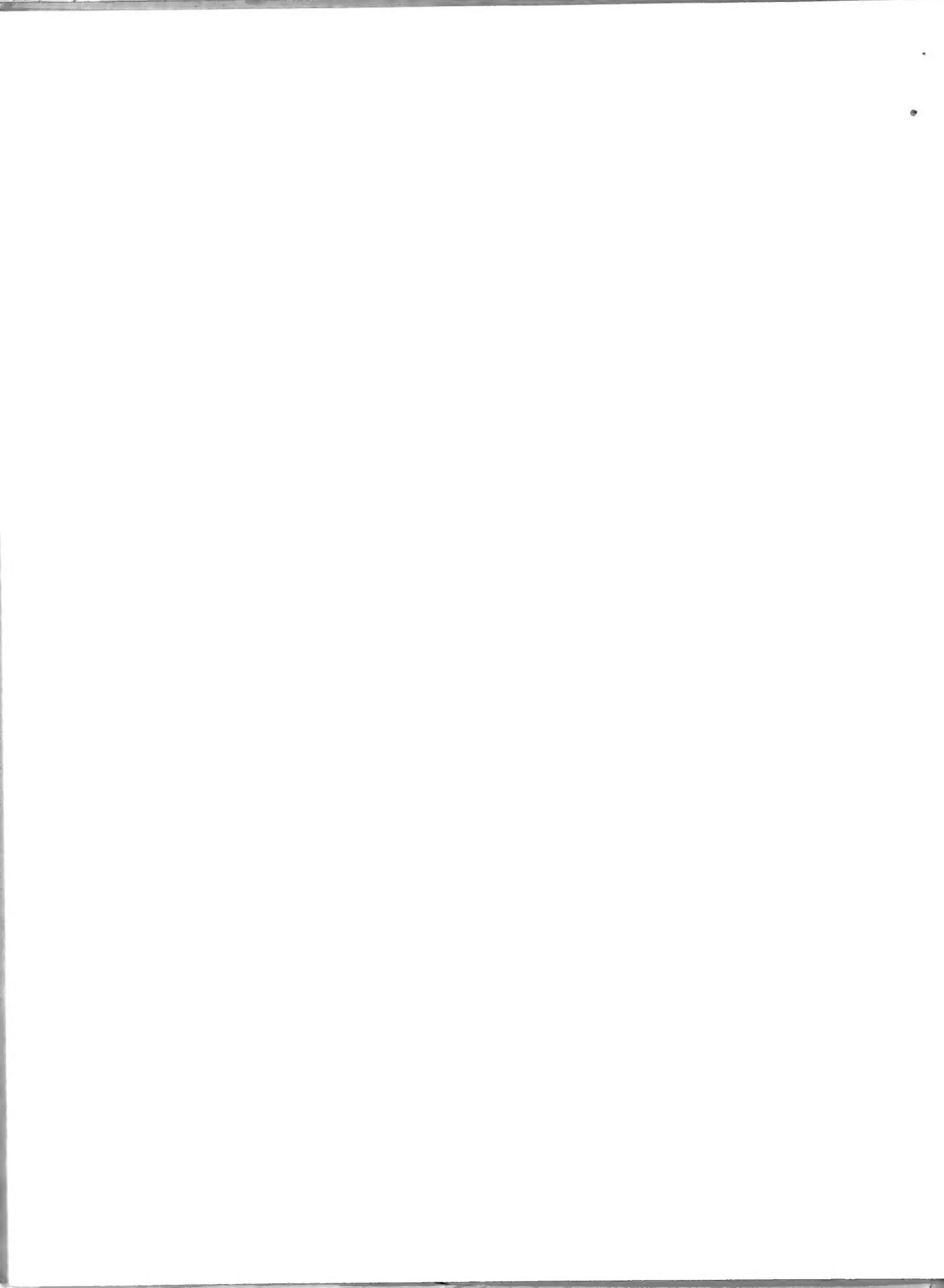
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1540410 HD9502.A2E2 ID No: 78-9705147 Book Cit: 1530272 TS1080.E5 1978 ID No: 78-9171525 Integrated wood waste power plant moves towards energy independence

The other energy crisis ; Firewood. --
Eckholm, Erik P
Washington, D.C. : Worldwatch Institute, 22 p. ; 22 cm. --
c1975.
HD9502.A2E2
79002933
Note: Bibliography: p. 21-22.
Series: Worldwatch paper ; 1 Search: 19750000
Source: OTHER US Doc Type: MONOGRAPH Location: DCB

1536382 57.8 OR32 ID No: 78-9177693 Creosote a by-product of burning wood.: the biggest problem with wood heat
Wolf, R
Org Gard 25 (11): 94, 96, 98-102. Nov 1978
57.8 OR32
Search: 19781100
Source: OTHER US Doc Type: ARTICLE

1532993 HC107.A13A6 ID No: 78-9174270 How much wood would wood waste waste if none were used for fuel? Wood-energy technology.
Franklin, B A
Appalachia (Wash) 12 (2): 1-10. Oct/Dec 1978
HC107.A13A6
Search: 19781200
Source: OTHER US Doc Type: ARTICLE

1532317 \$900.R42 ID No: 78-9173590 Consistent energy accounting in production of wood products and competing materials
Tenwolde, A; Stone, R N
Resour Recovery Conserv 3 (3): 249-259. Oct 1978
\$900.R42
Search: 19781000
Source: USDA Doc Type: ARTICLE

1531742 302.8 P11 ID No: 78-9173012 Wastepaper--worth more for its fiber value or as a fuel source? Compared with pulping wood.
Iannazzi, F D
Pulp Pap 52 (9): 140-143. Aug 1978
302.8 P11
Search: 19780800
Source: OTHER US Doc Type: ARTICLE

1529784 S544.3.W6W53 ID No: 78-9171037 Wood for home heating. Measuring firewood to get your money's worth
Seybold, W H
Wisconsin, University, Cooperative Extension Programs Publ Coop Ext Programs Univ Wis Ext G2950, 2 p. Aug 1978
S544.3.W6W53
Search: 19780800
Source: EXT Doc Type: ARTICLE

1526459 S544.3.W6W53 ID No: 78-9167707 Wood for home heating. The problem of moisture content
Seybold, W H
Wisconsin, University, Cooperative Extension Programs Publ Coop Ext Programs Univ Wis Ext G2951, 2 p. Aug 1978
S544.3.W6W53
Search: 19780800
Source: EXT Doc Type: ARTICLE

1526361 99.8 C76 ID No: 78-9167609 Energy aspects of wood
Smith, D M
Conn Woodl 43 (2): 3-5. Summer 1978
99.8 C76
Search: 19780800
Source: OTHER US Doc Type: ARTICLE

1525378 99.8 F762 ID No: 78-9166620
Impacts of the wood-for energy push
Zumbo, J
Am For 84 (10): 38-41, 46, 48-50. Oct 1978
99.8 F762
Search: 19781000 Doc Type: ARTICLE
Source: OTHER US

1525377 99.8 F762 ID No: 78-9166619
The many forms of wood as fuel
Zerbe, J
Am For 84 (10): 32-35, 52-54. Oct 1978
99.8 F762
Search: 19781000 Doc Type: ARTICLE
Source: USDA Doc Type: ARTICLE

1525376 99.8 F762 ID No: 78-9166618
Wood heat: participatory energy
Bofinger, P
Am For 84 (10): 28-31, 58-60. Oct 1978
99.8 F762
Search: 19781000 Doc Type: ARTICLE
Source: OTHER US

1525374 99.8 F762 ID No: 78-9166616
Charcoal from wood: fuel for thought
White, E W
Am For 84 (10): 20-23, 56, 58. Oct 1978
99.8 F762
Search: 19781000 Doc Type: ARTICLE
Source: OTHER US

1525373 99.8 F762 ID No: 78-9166615
Wood for energy: an overview
Ripley, T H; Doub, R L
Am For 84 (10): 16-19, 42, 44, 46. Oct 1978
99.8 F762
Search: 19781000 Doc Type: ARTICLE
Source: OTHER US

Area 4 P. Sept 1978
ASD430.U5
Search: 19780500
Source: JSDA Doc Type: ARTICLE

1520612 1.6 S03S ID No: 78-9160876
Wood chips for fuel New York.
Paul, P A
U.S. Soil Conservation Service
Soil Conserv 44 (2): 16-17. Summer 1978
1.6 S03S
Search: 19780000 Doc Type: ARTICLE
Source: USDA Doc Type: ARTICLE

1517840 TP324.T4 1976 ID No: 78-9704239 Book Cit:
79000409
Energy production from residues :; Proceedings ninth Texas
Industrial Wood Seminar, June 16, 1976 / compiled and edited
by Allen Wiley. --
Wiley, Allen; ed.
Texas Industrial Wood Seminar, 9th, Lufkin, Tex., 1976.;
Texas. Forest Service.
.s.1. : Texas Forest Service, Texas A & M University
System, 67 p. : ill. .1976?.
TP324.T4 1976
79000409
Note: Includes bibliographies.
Source: 19760000 Doc Type: MONOGRAPH

1517433 TP996.W6H62 ID No: 78-9703729 Book Cit:
79000382
Hog fuel availability in British Columbia /; British
Columbia Wood-Waste Energy Coordinating Committee. --
British Columbia Wood-Waste Energy Coordinating Committee.;
Reid, Collins and Associates. Wood-Waste Energy Coordinating
.s.1. : British Columbia Wood-Waste Energy Coordinating
Committee, 43, .28, p. : ill. , map. 1978.
TP996.W6H62
79000382

Note: This report is based on a study undertaken by Reid,
Collins and Associates Limited, Vancouver, British Columbia.
Includes bibliographical references.
Search: 19780000 Doc Type: MONOGRAPH

1524389 ASD430.U5 ID No: 78-9165630
Wood for energy: an overview
Curtis, A B, Jr
U.S. Forest Service, Division of State and Private
Forestry, Southeastern Area
For Prod Util Bull U S For Serv Div State Priv For Southeast

1517432 TP996.W64G ID No: 78-9753728 Book CIt: 1434265 TP324.W6 ID No: 78-9702673 Book CIt: 78013239
79000383 Hog-fuel-co-generation study, Quesnel, British Columbia : A wood and bark residues for energy ; Conference held May 31, 1974 / compiled by Stanley E. Corder. -- Corder, Stanley Eugenio 1925-
summary report based on a study by, H. A. Simons U.S. Extension Service, Office of Energy Research and
(International) Ltd. / British Columbia Wood-Waste Energy Development.; Oregon State University., School of Forestry.
Coordinating Committee. -- British Columbia Wood-Waste Energy Coordinating Committee.; Corvallis; School of Forestry, Oregon State University.
British Columbia Energy Commission. iv, 52 p. : ill. ; 28 cm. 1975.
s.l. : British Columbia Wood-Waste Energy Coordinating Committee. 51 p. : ill. 1978.
TP996.W64G 78013239

Note: In cooperation with Extension Service, Office of Energy Research and Development. Includes bibliographical references.
Search: 19780000 Source: OTHER US Doc Type: MONOGRAPH

1500713 275.29 C76B . ID No: 78-9146312
Selecting fireplace wood--energy wisdom
Papanos, S. Connecticut, Cooperative Extension Service
Bull Conn Univ Coop Ext Serv 77-83, 1 p. 1977
275.29 C76B
Search: 19770000 Source: EXT Doc Type: ARTICLE
Source: 19780000 Doc Type: MONOGRAPH

1498425 99.82 AL1 ID No: 78-9144017
Will wood residues solve the energy crunch?
Craig, T. Ala For 21 (7): 54-55. July 1978
99.82 AL1
Search: 19780700 Source: OTHER US Doc Type: ARTICLE
Source: 19780700 Doc Type: MONOGRAPH

1498421 99.82 AL1 ID No: 78-9144013
Energy: back to the basics with wood .Home woodstove study.
Klein, E. Li; Glasgow, B. F. Ala For 21 (7): 22-25. July 1978
99.82 AL1
Search: 19780700 Doc Type: ARTICLE
Source: 19780700 Doc Type: MONOGRAPH

1494359 ASD431.U48 ID No: 78-9702799 Book CIt: 1451339 TP360.F83 ID No: 78-9095643
78012887 Energy & chemicals from forests. -- U.S. Forest Service. In Fuels from Waste. L. L. Anderson and D. A. Tillman, eds. --
U.S. Forest Service. TP360.F83
Corvallis. Dept. of Agriculture. 141-159. Ref. 1977
12 p. ill. 1978.
ASD431.U48
78012887
Note: Cover title.
Search: 19780000 Source: USDA Doc Type: MONOGRAPH

1494359 ASD431.U48 ID No: 78-9702799 Book CIt: 1451339 TP360.F83 ID No: 78-9095643
78012887 Energy & chemicals from forests. -- U.S. Forest Service. In Fuels from Waste. L. L. Anderson and D. A. Tillman, eds. --
U.S. Forest Service. TP360.F83
Corvallis. Dept. of Agriculture. 141-159. Ref. 1977
12 p. ill. 1978.
ASD431.U48
78012887
Note: Cover title.
Search: 19780000 Source: USDA Doc Type: MONOGRAPH

1431304 275.29 M58B ID No: 78-9076998
In Michigan--the case for wood as a home heating fuel
Huber, H A
Michigan State University, Cooperative Extension Service
Ext Buil Mich State Univ Coop Ext Serv E-1214, 4 p. Mar
1978 275.29 M58B
Search: 19780300 Doc Type: ARTICLE

1424501 S89.E2 ID No: 78-9069918
Household fuel wood use and procurement in New Hampshire
Marketing fuelwood
Dalton, M M; Herrington, J H; Durgin, O B; Andrews, R A
New Hampshire Agricultural Experiment Station
Res Rep N H Agric Exp Stn 59, 24 p. Oct 1977
S89.E2
Search: 19771000

1424020 S544.3.W6W53 ID No: 78-9069423
Wood for home heating: wood as fuel
DeVriend, A J
Wisconsin, University, Cooperative Extension Programs
Publ Coop Ext Programs Univ Wis Ext G2874, 4 p. Jan 1978
S544.3.W6W53
Search: 19780100 Doc Type: ARTICLE

1405677 100 OR3M ID No: 78-9050643
Manufacturing densified wood and bark fuels
Currier, R A; Corder, S E; Brown, T D
Oregon, Agricultural Experiment Station
Spec Rep Oregon State Univ Ext Serv 490, 5 p. Jan 1978
100 OR3M
Search: 19780100 Doc Type: ARTICLE

1401866 S544.3.W6W53 ID No: 78-9046693
Wood for home heating: wood as fuel
DeVriend, A J
Wisconsin, University, Cooperative Extension Programs
Publ Coop Ext Programs Univ Wis Ext G2874, rev., 4 p.
Jan 1972 S544.3.W6W53
Search: 19780100 Doc Type: ARTICLE

1394879 aSD11.A57 ID No: 78-9039415
Estimating effective heating value of wood or bark fuels at
various moisture contents
Ince, P J
U.S., Forest Products Laboratory
USDA For Serv Gen Tech Rep FPL U S For Prod Lab 13, 8 p.
1977 aSD11.A57
Search: 19770000
Source: USDA Doc Type: ARTICLE

1390662 514 N4E2 ID No: 78-9036958
Self-heating of wet wood. 1. Exothermic oxidation of wet
sawdust
Walker, I K; Harrison, W J
N Z J Sci 20 (2): 191-200. Ref. June 1977
514 N4B2
Search: 19770600
Doc Type: ARTICLE

1390435 aSD11.A57 ID No: 78-9036731
Estimating effective heating value of wood or bark fuels at
various moisture contents
Ince, P J
U.S., Forest Products Laboratory
USDA For Serv Gen Tech Rep FPL U S For Prod Lab 13, 9 p.
1977 aSD11.A57
Search: 19770000
Source: USDA Doc Type: ARTICLE

1389627 59.81 C16 ID No: 78-9035922
High-yield wood: a promising fuel
Wayman, M
Can For Ind 97 (12): 27-29, 31. Dec 1977
99.81 C16
Search: 19771200
Doc Type: ARTICLE

1387382 99.9 C46 ID No: 78-9033673
Choosing efficient fuelwood for wood burning.
Jones, P
Am Christmas Tree J 22 (1): 12. Feb 1978
99.9 C46
Search: 19780200
Source: OTHER US Doc Type: ARTICLE

1386866 TP360.C66 ID No: 78-9033146
Workshop no. 8 .The potential of wood residue for energy.
Carns, H
In A Conference on Capturing the Sun Through Bioconversion;
Proceedings p. 581. 1976
TP360.C66
Search: 19760000
Source: USDA Doc Type: ARTICLE

1386834 TS850.H32 1976 ID No: 78-9016387
Gas for energy from wood waste
Moyer, P
In Hardwood Sawmill Techniques; Proceedings of the Harwood
Sawmill Clinic Program 1st: 153-155. 1976
TS850.H32 1976
Search: 19760000
Source: OTHER US Doc Type: ARTICLE

1386865 TP360.C66 ID No: 78-9033145
The potential of wood residue for energy
Moslemi, A A; Johnson, L R
In A Conference on Capturing the Sun Through Bioconversion;
Proceedings p. 569-580. 1976
TP360.C66
Search: 19760000
Source: OTHER US Doc Type: ARTICLE

1368533 TS850.H32 1976 ID No: 78-9016386
Gas for energy from wood waste
Shepard, M J
In Hardwood Sawmill Techniques; Proceedings of the Harwood
Sawmill Clinic Program 1st: 145-152. 1976
TS850.H32 1976
Search: 19760000
Source: OTHER US Doc Type: ARTICLE

1386845 TP360.C66 ID No: 78-9033125
The potential of our forests as a source of solar energy
Wood as fuel.
Smith, W E
In A Conference on Capturing the Sun Through Bioconversion;
Proceedings p. 157-160. 1976
TP360.C66
Search: 19760000
Source: OTHER US Doc Type: ARTICLE

1365817 100 P3815 ID No: 78-9015041
Wood as energy source compared with other fuels
Blankenhorn, P R; Bowersox, T W; Murphrey, W K
Pennsylvania, Agricultural Experiment Station
Sci Agric 25 (1): 4. Fall 1977
100 P3815
Search: 19770000
Source: EXP STN Doc Type: ARTICLE

1371662 290.9 AM32T ID No: 78-9019527
Compaction of wood chips--energy cost
El-Domiaty Hassan, A
Trans ASAE (Am Soc Agric Eng) 20 (5): 839-842. Ref.
Sept/Oct 1977
290.9 AM32T
Search: 19771000
Source: OTHER US Doc Type: ARTICLE

1362219 SD397.C859 1976 ID No: 78-9011426
Populus in perspective .Wood as a source of energy,
developing the forest as an alternative source of energy.
Stephens, E P
In Proceedings: Symposium on Eastern Cottonwood and Related
Species p. 1-5. 1976
SD397.C859 1976
Search: 19760000
Source: USDA Doc Type: ARTICLE

1368538 TS850.H32 1976 ID No: 78-9016391
Fluid flame for steam generation .for burning greenlog wood
waste for fuel.
Lightner, C R
In Hardwood Sawmill Techniques; Proceedings of the Harwood
Sawmill Clinic Program 1st: 199-205. 1975
TS850.H32 1976
Search: 19760000
Source: OTHER US Doc Type: ARTICLE

1353962 3544.3.W6W53 ID No: 78-9004051
Wood for home heating: Wood as fuel
DeVriend, A C
Wisconsin, University, Cooperative Extension Programs
Publ Coop Ext Programs Univ Wis Ext 62874, 4 p. July 1977
S544.3.W6W53
Search: 19770700
Source: EXT Doc Type: ARTICLE

1352259 57.8 OR32 ID No: 78-9002342
Increase your wood power .Fuel.
Kunison, G
Org Gard Farming 24 (10): 95-100. Oct 1977
57.8 OR32
Search: 19771000 Doc Type: ARTICLE
Source: OTHER US

1323104 99.9 S013 ID No: 77-9112160
Energy and materials crunch: an opportunity or dilemma for
foresters. 1. Wood as an energy source .Abstract only.
Seaman, J
Proc Soc Am For 99.9 S013
Search: 19770000 Doc Type: ARTICLE
Source: USDA

1350933 99.9 F764UN ID No: 78-9001014
Variation in char density on laboratory fuels .Free-burning
wood fuels. *Pinus ponderosa*, *Betula*.
Wilson, R A; Brown, M L
U.S. Intermountain Forest and Range Experiment Station
Res Note INT U S Dep Agric For Serv Intermt For Range Exp
Stn 236, 4 p. Oct 1977
99.9 F764UN
Search: 19771000 Doc Type: ARTICLE
Source: USDA

1323090 99.9 S013 ID No: 77-9112146
Wood in the energy economy
Boulding, K E
Proc Soc Am For 99.9 S013
Search: 19770000 Doc Type: ARTICLE
Source: OTHER US

1323052 TS850.S294A ID No: 77-9112108
Converting energy into product: advantages realized through
utilization of wood residuals
Fulcher, E M
Mod Sawmill Tech Proc. Sawmill Clin 5: 14-21. Mar 1977
TS850.S294A
Search: 19770300 Doc Type: ARTICLE
Source: OTHER US

1321855 TS850.S294A ID No: 77-9110908
Energy from wood waste: methods and economic overview
Van Gulik, J
Mod Sawmill Tech Proc Sawmill Clin 7: 53-61. Mar 1977
TS850.S294A
Search: 19770000 Doc Type: ARTICLE
Source: OTHER US

1317076 99.82 AL1 ID No: 77-9106117
Wood waste: a new energy alternative
Ala For Prod 20 (7): 29-30. July 1977
99.82 AL1
Search: 19770700 Doc Type: ARTICLE
Source: OTHER US

1316820 470 SCI2 ID No: 77-9105861
Photosynthetic solar energy: rediscovering biomass fuels
Wood, sugarcane, algae, and even material produced by
artificial photosynthetic processes.
Hammond, A L
Science 197 (4305): 745-746. Aug 19, 1977
470 SCI2

1323108 99.9 S013 ID No: 77-9112164
Energy and materials crunch: an opportunity or dilemma for
foresters. 1. Wood as an energy source .Comments and
questions.
Seaman, J
Proc Soc Am For 99.9 S013
Search: 19770000 Doc Type: ARTICLE
Source: USDA

1315812. TP996.W6t3 ID No: 77-9690269 Book Cit: 1280412 464.9 N48 ID No: 77-9074310
77013252 The utilization of forest biomass and forest industry wastes for the production and conservation of energy /; A. Carlisle. Gasification: a versatile way of obtaining liquid fuels and chemicals from wood
Carlisle, A. Cousins, W. J.
Canada. Forestry Service. Inf Ser Bull N Z Dep Sci Ind Res 117: 49-53. 1976
Ottawa ; Dept. of the Environment, Canadian Forestry 4C4.2 N48
Service, iv, 54 p. 1976. Search: 19760000
TP996.W6C3 Doc Type: ARTICLE

77013252 Note: Abstract in French. Includes bibliographies. 1279265 SD1.07 No.17 ID No: 77-9686097 Book Cit:
Search: 19760000 77009341
Doc Type: MONOGRAPH Boilers fired with wood and bark residues /; David C. Junge.
-- Junge, David C.
Corvallis : Forest Research Laboratory, School of Forestry, Oregon State University, iv, 59 p. ; 111. ; 28 cm. --
1975. SD1.07 No.17
Schob, D. E. 77009641
J For Hist 21 (3): 124-132. Ref. July 1977 Note: Bibliography: p. 59.
Woodhawks, wood haulers. & cordwood: steamboat fuel on the Series: Oregon State University. Forest Research Laboratory. Research bulletin ; 17 Search: 19750000
Ohio and Mississippi rivers, 1820-1860 .History. June
1977
99.8 F7698 Source: OTHER US Doc Type: ARTICLE
Search: 19770700
Source: OTHER US Doc Type: ARTICLE

1313877 99.8 F7698 ID No: 77-9104601
Wood, residues for energy in New England
Schob, D. E. 1977
J For Hist 21 (3): 124-132. Ref. July 1977
99.8 F7698 Ref. June
Search: 19770700 Doc Type: ARTICLE
Source: OTHER US Doc Type: ARTICLE

1313679 99.81 N812 ID No: 77-9104401
.Wood, residues for energy in New England
Bones, J. T. 1977
North Log Timber Process 25 (12): 20-22, 34. Ref.
1977
99.81 N812 Ref. June
Search: 19770600 Doc Type: ARTICLE
Source: USDA Doc Type: ARTICLE

1295385 22 IN283 ID No: 77-9087576
Tree planting and energy crisis: firewood
Kaul, R. N.; Mann, H. S. Indian Farming 26 (11): 79-81. Feb 1977
22 IN283 Search: 19770200
Doc Type: ARTICLE



1275474 100 IL64 ID No: 77-9070756
Wood as fuel: forests can be utilized more fully as an energy source
Chow, P
Illinois, Agricultural Experiment Station
111 Res 19 (2): 6-7. Spring 1977
100 IL64
Search: 19770000
Source: EXP STN Doc Type: ARTICLE

1270068 302.8 P11 ID No: 77-9065270
Where energy may be conserved in continuous digester operation
Elmore, C L
Pulp And Paper 51 (2): 67-69. Feb 1977
302.8 P11
Search: 19770200
Source: OTHER US Doc Type: ARTICLE

1268365 S494.5.E5S6 ID No: 77-9063556
Distillation, pyrolysis and alcohol production from wood to supplement fuels.
Levy, J P
In Solar Energy In Agriculture; Joint Conference University Of Reading & UK Section International Solar Energy Society p. 8-11. Ref. 1976
S494.5. E5S6
Search: 19760000
Doc Type: ARTICLE

1262046 TS1828.15 1975 ID No: 77-9058547
Fluffing power requirements and fluff properties related to various types of wood pulp
Sarkisian, A; Murphy, C F; Steiner, C P
In Technical Symposium: Nonwoven Product Technology; Symposium Papers 3d: 67-84. 1975
TS1828.15 1975
Search: 19750000
Source: OTHER US Doc Type: ARTICLE

1258539 TH1092.J6 ID No: 77-9055025
Wood-base building materials: rate of heat release
Brenden, J J
J Fire Flammability 6: 274-293. 1975
TH1092.J6
Search: 19750000
Source: USDA Doc Type: ARTICLE

1251977 470 SCI2 ID No: 77-9050145
Wood versus fossil fuel as a source of excess carbon dioxide in the atmosphere: a preliminary report
Adams, J A S; Mantovani, M S M; Lundell, L L
Science 196 (4285): 54-56. Ref. Apr 1, 1977
470 SCI2
Search: 19770401
Source: OTHER US Doc Type: ARTICLE

1241894 HC75.E5J6 ID No: 77-9041606
Cost of producing energy from wood in intensive cultures
Rose, D W
J Environ Manage 5 (1): 23-35. Ref. Jan 1977
HC75.E5J6
Search: 19770100
Doc Type: ARTICLE

1237742 TP360.C58 ID No: 77-9037358
Forests as a source of electric power
Beardsley, W H
In Symposium Papers Clean Fuels from Biomass, Sewage, Urban Refuse and Agricultural Wastes p. 349-358. 1976
TP360.C58
Search: 19760000
Source: OTHER US Doc Type: ARTICLE

1235188 QH540.S7 ID No: 77-9034762
Energy problems in arid countries in Africa, consumption of wood, oil, solar power.
Idris, H
Ecol Bull Statens Naturvetensk Forsk 24: 103-112. Map.
Ref. 1976
QH540.S7
Search: 19760000
Doc Type: ARTICLE



1231512 SD13.A1F6 No.25 ID No: 77-9680797 Book Crt: TP156.P9596 1976
77004970 A look at the economic feasibility of converting wood into liquid fuel /; By J. F. Marshall, G. Petrick, H. Chan. Search: 19760000 Source: OTHER US Doc Type: ARTICLE

SD13.A1F6 No.25
Ottawa : Canadian Forestry Service, 47 leaves. -- 1975.

77004970 Note: Bibliography: leaves 41-43.
Series: Canada. Forestry Service. Policy, Analysis and Program Development Branch. Information report ; E-X-25
Search: 19750000 Doc Type: MONOGRAPH

1216732 TP156.P9596 1976 ID No: 77-9019271
The pyrolysis-gasification-combustion process energy considerations and overall processing. Wood. Brink, D L; Charley, J A; Faltico, G W; Thomas, J F In Symposium on Thermal Uses and Properties of Carbohydrates and Lignins p. 97-125. Ref. 1976
TP156.P9596 1976 Search: 19760000 Source: OTHER US Doc Type: ARTICLE

1228351 SD38B.A1F6 ID No: 77-9029295 Forest and wood waste utilisation: conversion to fuel alcohol--a FRI Forest Research Institute, Rotorua. study Whitworth, D A For Indus Rev 8 (1): 20. 22. Dec 1976 SD38B.A1F6 Search: 19761200 Doc Type: ARTICLE

1228350 SD38B.A1F6 ID No: 77-9029294 Energy and chemicals from plants .Wood, fuel. Troughton, J H For Indus Rev 8 (1): 23-24. Dec 1976 SD38B.A1F6 Search: 19761200 Doc Type: ARTICLE

1223175 302.8 T162 ID No: 77-9024070 Particle burnout in hog fuel boiler furnace environments Wood particle entrainment. Adams, T N Tappi (Tech Assoc Pulp Paper Ind) 60 (2): 123-125. Feb 1977
302.8 T162 Search: 19770200 Source: OTHER US Doc Type: ARTICLE

1211520 99.9 J2793 ID No: 77-9013862 Effect of the thermal treatment on wood hemicelluloses. A new compound, 4-hydroxy-5, 6-dihydro-2H-pyran-2-one, from xyilan on heating Miyazaki, K J Jap Wood Res Soc 21 (5): 305-308. 1975
99.9 J2793 Search: 19750000 Source: OTHER US Doc Type: ARTICLE

1201401 99.9 SP6 ID No: 77-9004235 Waste fuel energy system--a case study .Wood utilization. Deardorff, D Proc Northwest Wood Prod Clin 31st: 47-53. 1976
99.9 SP6 Search: 19760000 Source: OTHER US Doc Type: ARTICLE

1184575 99.8 IN2 ID No: 76-9112838 A pilot survey of fuel consumption in rural areas. 1. Includes fuel wood. Chandola, L P Indian For 102 (10): 692-700. Oct 1976
99.8 IN2 Search: 19761000 Doc Type: ARTICLE

1216736 TP156.P9596 1976 ID No: 77-9019275 The energy plantation: design, operation and economic potential. Wood products. Henry, J F; Frazer, M D; Yall, C W In Symposium on Thermal Uses and Properties of Carbohydrates and Lignins p. 175-201. 1976



1181502 99.9 F7662J ID No: 76-9111324
 Wood residue as a fuel for veneer drying. A case history
 Furman, L H; Desmon, L G
 For Prod J 26 (9): 52-55. Sept 1976
 99.9 F7662J
 Search: 19760900
 Doc Type: ARTICLE

116448B 302.8 T162 ID No: 76-9095412
 Ethanol-water delignification of wood--rate constants and
 activation energy .Pulping.
 Kleinert, T N
 Tappi (Tech Assoc Pulp Paper Ind) 58 (8): 170-171. Aug
 1975
 302.8 T162
 Search: 19750800
 Doc Type: ARTICLE

1152753 1 EX892EX ID No: 76-9084684
 Saving energy safely with wood
 Hubbard, R E
 U.S. Extension Service
 Ext Serv Rev U S Fed Ext Serv 47 (4): 20-21. July/Aug
 1976
 1 EX892EX
 Search: 19760800
 Source: USDA Doc Type: ARTICLE

1147080 99.81 AU7 ID No: 76-9080378
 Kiln heating and heat recovery from wood waste
 Watson, G
 Aust For Ind J 42 (2): 6-7, 9. Mar 1976
 99.81 AU7
 Search: 19760300
 Doc Type: ARTICLE

Energy accounting: measuring fuel costs .Wood residue utilization.
 Oliver, P E
 Mod Plywood Tech 3: 94-112. 1975
 TS800.M6
 Search: 19750000
 Doc Type: ARTICLE

1111246 SB436.J6 ID No: 76-9048405
 Wood disposal or wood harvesting .Wood chips as fuel.
 Ratcliff, P
 J Arboric 2 (4): 79-80. Apr 1976
 SB436.J6
 Search: 19760400
 Doc Type: ARTICLE

1107618 99.9 F7662J ID No: 76-9044718
 Wood for energy .Source of fuel.
 Houghton, J E; Johnson, L R
 For Prod J 26 (4): 15-18. Ref. Apr 1976
 99.9 F7662J
 Search: 19760400
 Doc Type: ARTICLE

1096983 99.9 F7662J ID No: 76-9036386
 Wood residue energy conversion systems market
 Moore, W E
 For Prod J 26 (3): 23-28. Mar 1976
 99.9 F7662J
 Search: 19760300
 Doc Type: ARTICLE

1095139 Q1.A354 ID No: 76-9034504
 Photobiological energy conversion in Australia .Crops,
 photosynthetic materials, wood, fuel.
 McCann, D J; Saddler, H D W
 Search, Sci Technol Soc 7 (1/2): 17-23. Ref. Jan/Feb
 1976
 Q1.A354
 Search: 19760200
 Doc Type: ARTICLE

1129719 TS800.M6 ID No: 76-9064191



1091762 TS850.S294a ID No: 76-9031027
Economics and use of wood residues as fuel
Simpson, D L
Mod Sawmills Tech Proc Sawmills Clin 4th (v. 4): 159-173.
1974 (pub. 1975)
TS850.S294a
Search: 19750000
Doc Type: ARTICLE

Sarkkanen, K V
Science 191 (4228): 773-776. Ref. Feb 20, 1976
470 SCI2
Search: 19760220
Doc Type: ARTICLE

1085353 99.9 SP6 ID No: 76-9026229
The coming age of wood as fuel--a report on current uses,
values, and production of sawmill residues
Moore, W E
Proc Northwest Wood Prod Clin 30th: 91-115. Maps. 1975
99.9 SP6
Search: 19750000
Doc Type: ARTICLE.

1085352 99.9 SP6 ID No: 76-9026228
Mellons, boilers and the coming age of wood as fuel
Brubaker, W
Proc Northwest Wood Prod Clin 30th: 87-90. 1975
99.9 SP6
Search: 19750000
Doc Type: ARTICLE.

1066054 S27.A3 ID No: 76-9007316
Trees and energy .Wood as fuel.
Splinter, W E
Great Plains Agricultural Council, Research Committee
Great Plains Agric Council Publ 76, 4 p. 1975
S27.A3
Search: 19750000
Doc Type: ARTICLE

1048854 99.8 F762 ID No: 75-9118022
The other energy crisis: firewood
Eckholm, E P
Am For 81 (11): 12-13. Nov 1975
99.8 F762
Search: 19751100
Doc Type: ARTICLE

1044112 99.9 F7662J ID No: 75-9112731
Should wood be a source of commercial power? .Fuel for
steam-electric plants.
Ellis, T H
For Prod J 25 (10): 13-16. Oct 1975
99.9 F7662J
Search: 19751000
Doc Type: ARTICLE

1084196 QD471.A1A6 ID No: 76-9025560
Biomass energy refineries for production of fuel and
fertilizer .converting coal, waste, and wood.
Reed, T B
App1 Polym Symp 28: 1-9. Ref. 1975
QD471.A1A6
Search: 19750000
Doc Type: ARTICLE

1077542 470 SCI2 ID No: 76-9020307
Renewable resources .wood. for the production of fuels and
chemicals

1014197 99.81 W52 ID No: 75-9090302
Energy crisis, with all its strains, boosts utility and
value of wood fiber
French, R D
For Ind 102 (9): 22-23. Aug 1975
99.81 W52
Search: 19750800
Doc Type: ARTICLE

1002431 302.8 T162 ID No: 75-9079276
Some aspects of wood waste preparation for use as a fuel
Johnson, R C
Tappi (Tech Assoc Pulp Paper Ind) 58 (7): 102-106. July
1975
302.8 T162
Search: 19750700
Doc Type: ARTICLE

999310 TS800.M6 ID No: 75-9076055
Heat energy recovery from wood waste
Baardson, A B
Mod Plywood Tech 1: 123-130. 1975
TS800.M6
Search: 19750000
Doc Type: ARTICLE

Timber Grow 55: 30-31. Feb 1975
SD430.T52
Search: 19750200
Doc Type: ARTICLE

949199 99.8 L933 no.24 ID No: 75-9652639 Book Cit:
Heat of combustion of wood and bark of sweetgum
Choong, Elvin T
Baton Rouge 2 p. 1974
75004174
99.8 L933 no.24
75004174
Note: Bibliography: p. 2.
Series: LSU wood utilization notes, no. 24
19740000
Doc Type: MONOGRAPH

926689 99.9 F7634U ID No: 75-9010231
Rate of heat release from wood-base building materials
exposed to fire
Brenden, J J
U.S. Forest Products Laboratory
U S D A For Serv Res Pap FPI 230, 17 p. Ref. 1974
A99.9 F7634U
Search: 19740000
Source: USDA Doc Type: ARTICLE

999309 TS800.M6 ID No: 75-9076055
Utilizing wood waste to offset plywood plant energy demands
Vranizan, J M
Mod Plywood Tech 1: 109-122. 1975
TS800.M6
Search: 19750000
Doc Type: ARTICLE

922661 99.8 L933 ID No: 75-9006005
Heat of combustion of wood and bark of sweetgum
Liquidambar styraciflua, forest residues.
Choong, E T
Agricultural Experiment Station; Louisiana State University
and Agricultural and Mechanical College, School of Forestry &
Wildlife Management
LSU Wood Util Notes (La State Univ) 24, 2 p. Aug 1974
99.8 L933
Search: 19740600
Doc Type: ARTICLE

970698 SD430.T52 ID No: 75-9050648
The use of wood as fuel
Aaron, W

911916 99.82 W856 ID No: 74-9109052
Energy, wood residue, and food
Saul, J O
Wood Wood Prod 79 (9): 18. Sept 1974
99.82 W856
Search: 19740900
Doc Type: ARTICLE

895653 99.8 P17 ID No: 74-9089618
Studies on saccharification of conifer wood waste. I. Effect
of varied concentration of H₂SO₄ on initial hydrolysis and saccharification process.
.Cedrus deodara, *Pinus wallichiana*.
Ahmad, C M; Malik, M N
PAK J For 23 (3): 235-245. Ref. July 1973
99.8 P17
Search: 19730700
Doc Type: ARTICLE

884886 ASD11.A48 ID No: 74-9080562
Energy and raw material potentials of wood residue in the
Pacific Coast states--a summary of a preliminary feasibility
investigation. Forest industries, management.
Grantham, J B; Estep, E M; Pierovich, J M; Tarkow, H; Adams,
T C
U.S. Intermountain Forest and Range Experiment Station
U.S. DA For Serv Gen Tech Rep 1 N T U S Intermt For Range
Exp Snt 18, 37 p. Ref. 1974
ASD11.A48
Search: 197400000
Source: USDA Doc Type: ARTICLE

861198 275.29 M588 ID No: 74-9061017
Wood--a new look at an old fuel
Bell, L E; Koelling, M R
Cooperative Extension Service
Ext Bull E Coop Ext Serv Mich State Univ 779, 6 p. Apr
1974
275.29 M588
Search: 19740400
Source: EXT Doc Type: ARTICLE

860576 100 T31TE ID No: 74-9060372
Wood and the energy crisis
Emeny, J A
Texas Agricultural Experiment Station
Tex Agric Prog 20 (2): 4-5. Spring 1974
100 T31TE
Search: 197400000
Source: EXP STN Doc Type: ARTICLE

857212 A99.9 F764UN No.172 ID No: 74-9415085 © Book
Clt: 74007593
Energy required to dry wood
Lowery, David P
Ogden, 5 p. Illus. 1973
A99.9 F764UN No.172
74007593
Series: U.S. Intermountain Forest and Range Experiment
Station. U.S.D.A. Forest Service research note INT-172
Search: 19730000
Source: USDA Doc Type: MONOGRAPH

848574 99.9 AM33TE ID No: 74-9048994
Energy from forest products residuals: gasification of wood
waste
Hammond, V L
Tech Pap Am Pulpwood Assoc p. 89-96. Ref. Jan 1974
829219 A99.9 F764UN ID No: 74-9031625
Energy required to dry wood
Lowery, D P
U.S. Intermountain Forest and Range Experiment Station
Res Note INT U.S. Dep Agric For Serv Intermt For Range Exp
Stn 172, 5 p. July 1973
A99.9 F764UN
Search: 19730700
Source: USDA Doc Type: ARTICLE

827306 99.81 W52 ID No: 74-9023657
Overview on energy: Industry learning to live with the
problem. Wood-using industries.
French, R D
For Ind 101 (3): 37. Mar 1974
99.81 W52
Search: 19740300
Doc Type: ARTICLE

825261 474 N213 ID No: 74-9004771
13C carbon--decrease in modern wood due to the large-scale
combustion of fossil fuels
Freyer, H D; Wiesberg, L
Naturwissenschaften 60 (11): 517-518. Nov 1973
Search: 19731100
Doc Type: ARTICLE



801781 SD1.07 ID No: 74-9011201
Wood and bark as fuel
Corder, S E
Res. Bull. For. Res. Lab Sch For Oregon State Univ 14. 28 p.
Ref. Aug 1973
SD1.07
Search: 19730800
Doc Type: ARTICLE

793905 SD1.07 No.14 ID No: 73-9404126 Book Cit:
4002508
Wood and bark as fuel
Corder, Stanley E
Corvallis 28 p. Illus. 1973
SD1.07 No.14
74002508
Note: Bibliography: p. 25-28
Series: Oregon State University Forest Research Laboratory.
Research Bulletin 14 Search: 19730000
Doc Type: MONOGRAPH

256515 302.8 T162 ID No: 71-9142766 Book Cit:
107
Spontaneous heating in piled wood chips. II. Effect of
temperature. *Populus tremuloides*, *Pseudotsuga menziesii*.
Springer, E L; Hajny, G J; Feist, W C
Tappi (Tech Ass Pulp Pap Indus) 54 (4): 589-591. Apr
971
302.8 T162
7107
Search: 19710400
Doc Type: ARTICLE

125649 24 EA74 ID No: 70-9026133
Effects of singeing cccpice in *Eucalyptus saligna* wood fuel
rops at Muguga, Kenya
Howard, P
East Afr Agr Forest J 35 (1): 66-67. July 1969
24 EA74
Search: 19690700
Doc Type: ARTICLE



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